

INVITATION TO BID	CITY OF BATON ROUGE PARISH OF EAST BATON ROUGE PURCHASING DIVISION	BID DUE DATE & TIME January 30, 2015 11:00 A.M.
TITLE: Glass Beads	RETURN BID TO: PURCHASING DIVISION PO BOX 1471 222 St. Louis Street, Room 826 BATON ROUGE, LA 70802 Purchasing Contact: Arielle Williams Telephone: (225)389-3259 Email: apwilliams@brgov.com	
ANNUAL CONTRACT NO. A15-0620		
Contract Period: 12 Months From Date of Award		
AD DATE: January 14, 2015 & January 21, 2015		
VENDOR NAME	MAILING ADDRESS	
REMIT TO ADDRESS	CITY, STATE, ZIP	
TELEPHONE NO. FAX NO.	E-MAIL	
FEDERAL TAX ID OR SOCIAL SECURITY NUMBER	TITLE	
AUTHORIZED SIGNATURE	PRINTED NAME	

DELIVERY _____ DAYS AFTER RECEIPT OF ORDER

F.O.B.: DESTINATION TERMS: NET 30

Deliver to the following locations:

Item No. 1 to Traffic Engineering, 329 Chippewa Street, Baton Rouge, LA 70805

Item No.2 & 3 to Baton Rouge Metropolitan Airport Warehouse, 9141 J. D. Hair Avenue, Baton Rouge, LA. 70807

ALL BLANKS ON THIS PAGE SHOULD BE COMPLETED TO AVOID REJECTION OF BID

The above signature on this document certifies that bidder has carefully examined the instructions to bidders, terms and specifications applicable to, and made a part of this solicitation. Bidder further certifies that the prices shown are in full compliance with the conditions, terms and specifications of this solicitation.

No alterations, changes or additions are allowed on this solicitation, and no additional information, clarifications or other documents are to be included unless specifically required by the specification. Any errors in extensions of prices will be resolved in favor of unit prices submitted.

If services are to be performed in East Baton Rouge City-Parish, evidence of a current occupational license and/or permit issued by the City-Parish shall be supplied by the successful vendor, if applicable.

INSTRUCTIONS TO BIDDERS/TERMS & CONDITIONS FOR ANNUAL CONTRACTS

Bidders are urged to promptly review the requirements of these specification, terms and conditions and submit questions for resolution as early as possible during the bid period. Questions or concerns must be submitted in writing to the purchasing division during the bid period. Otherwise, this will be construed as acceptance by the bidders that the intent of the specifications, terms and conditions are clear and that competitive bids may be obtained as specified herein. Protests with regard to the specification, terms and conditions documents will not be considered after bids are opened.

1. Read the entire bid, including all terms and conditions and specifications.
2. This proposal is to establish firm prices for materials supplies and services for the contract period shown. Delivery shall be made or services provided as needed throughout the contract period, or as required by the specification. Quantities, if shown, are estimated only. Smaller or larger quantities may be purchased based upon the needs of the City-Parish. There is no guaranteed minimum quantity.
3. The contract shall be firm through the period indicated on the cover sheet. Upon agreement of both the contractor and the City - Parish, the contract may be extended a second or a third year or other shortened specified time periods. Extension of the contract into the second or third time periods shall be made by letter on or before the expiration of the contract. Extension is only possible if all prices and conditions remain the same.
4. Proposals are mailed only as a courtesy. The City - Parish does not assume responsibility for failure of bidders to receive proposals. Bidders should rely only on advertisements in the local newspaper, and should personally pick up proposals and specifications. Full information may be obtained, or any questions answered, by contacting the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802 or by calling (225) 389-3259.
5. The contract title, bidder's name, address and bid opening date should be clearly printed or typed on the outside of the bid envelope. Only one bid will be accepted from each bidder for the same job. Alternates will not be accepted unless specifically requested in the proposal. Submission of more than one bid or alternates not requested may be grounds for rejection of all bids by the bidder.
6. The method of delivery of bids is the responsibility of the bidder. All bids must be received by the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802 on or before the specified bid opening date and time. Late bids will not be considered under any circumstances.
7. After opening, bids may not be withdrawn for a period of sixty (60) days.
8. Except for bids submitted through the www.bidexpress.com on-line bidding site, bids shall be accepted only on proposal forms furnished by the City of Baton Rouge and Parish of East Baton Rouge Purchasing Division. The City - Parish will only accept bids from those bidders in whose names the proposal forms and/or specifications were issued. Altered or incomplete proposals, or the use of substitute forms or documents, shall render the bid non-responsive and subject to rejection. The entire proposal package, including the specifications and copies of any addenda issued shall be submitted to the Purchasing Division as the bid.
9. All bids must be typed or written in ink. Any erasures, strikeover and/or changes to prices should be initialed by the bidder. Failure to initial may be cause for rejection of the bid as non-responsive.
10. All proposals must be signed. Failure to do so shall cause the bid to be rejected as non-responsive.
11. Where one or more vendor's exact products or typical workmanship is designated as the level of quality desired or equivalent, the Purchasing Division reserves the right to determine the acceptability of any equivalent offered.

12. If bidding other than specified, sufficient information should be enclosed with the bid in order to determine quality, suitability, and compliance with the specifications. Failure to comply with this request may eliminate your bid from consideration. If requested, literature and/or specifications must be submitted within seven (7) days.
13. Written addenda issued prior to bid opening which modifies the proposal shall become a part of the proposal for bid, and shall be incorporated within the purchase order and/or contract. Only a written interpretation or correction by Addendum shall be binding. Bidders shall not rely upon any interpretation or correction given by any other method.
14. For Printing solicitations, artwork, dies and/or molds shall become the property of the City - Parish Government and must be returned to the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802, upon completion of the order.
15. All applicable chemicals, herbicides, pesticides and hazardous materials must be registered for sale in Louisiana by the Department of Agriculture, State of Louisiana, registered with the EPA and must meet all requirements of Louisiana State Laws. Bidders must submit product label, material safety data sheet and EPA registry number with bid. This information will be required on any subsequent deliveries if there is a change in chemical content or a different product is being supplied. Failure to submit this data may be cause for the bid to be rejected or the contract canceled.
16. Delivery of items must be made on time to City - Parish final destinations within East Baton Rouge Parish. All freight charges shall be prepaid by vendor.
17. The City - Parish reserves the right to award items separately, grouped or on an all-or-none basis and to reject any or all bids and waive any informalities.
18. All bidders should submit with their bid, or have on file with the Purchasing Division, a City - Parish Business Profile Data Form. The Business Profile Data Form is available at the Purchasing Department section of the City of Baton Rouge website, www.brgov.com, or by calling the Purchasing Department at 225-389-3259.
19. The State of Louisiana Code of Governmental Ethics places restrictions on awarding contracts or purchase orders to persons who are employed by any agency of the City - Parish Government, or any business of which he or his spouse has more than a twenty-five percent (25%) interest. The Code also prescribes other restrictions against conflict of interest and establishes guidelines to assure that appropriate ethical standards are followed. If any question exists regarding potential violation of the Code of Ethics, bidders should contact the Purchasing Division prior to submission of the bid. Any violation of the Code of Ethics shall be grounds for disqualification of bid or cancellation of contract.
20. City - Parish purchases are exempt from state and local taxes.
21. The City - Parish reserves the right to terminate this contract prior to the end of the contract period on twenty-four (24) hours written notice for unsatisfactory performance. Termination under this paragraph shall not relieve either party of any obligation or liability that may have occurred prior to the effective date of termination.
22. The City - Parish is an equal opportunity employer.
23. In accordance with Louisiana Revised Statutes, a preference may be allowed for equivalent products produced, manufactured or grown in Louisiana and/or firms doing business in the State of Louisiana. Do you claim this preference if allowed?

YES ____ NO _____. If this preference is claimed, attach substantiating information to the proposal to show the basis for the claim.
24. Right To Audit Clause: The Contractor shall permit the authorized representative of the City-Parish to periodically inspect and audit all data and records of the Contractor relating to his performance under this contract.
25. Accordance with the provisions of LA. R.S. 38:2212.9, in awarding contracts after August 15, 2010, any public entity is authorized to reject the lowest bid from, or not award the contract to, a business in which any individual with an ownership interest of five percent or more has been convicted of, or has entered a plea of guilty or ***Nolo Contendere*** to any state felony crime or equivalent federal felony crime committed in the solicitation or execution of a contract or bid awarded under the laws governing public contracts under the provisions of Chapter 10 of this Title, professional, personal, consulting, and social services procurement under the provisions of Chapter 16 of Title 39 of the Louisiana

Revised Statutes of 1950, or the Louisiana Procurement Code under the provisions of Chapter 17 of Title 39 of the Louisiana Revised Statutes of 1950.

26. Terms and Conditions: This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, vendor agrees that contrary terms and conditions which may be included in their bid are nullified; and agrees that this contract shall be construed in accordance with this solicitation and governed by the laws of the State of Louisiana as required by Louisiana Law.
27. Certification of no suspension or debarment. By signing and submitting any bid for \$25,000 or more, the bidder certifies that their company, any subcontractors, or principals are not suspended or debarred by the general services administration (GSA) in accordance with the requirements in OMB circular a-133.
- A list of parties who have been suspended or debarred can be viewed via the internet at <http://www.sam.gov>
28. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids containing "Payment in Advance" or "C.O.D. requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.
29. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Purchasing Division during normal working hours. Written bid tabulations may be accessed at: <http://brgov.com/dept/purchase/bidresults.asp>.
30. Contractor agrees, upon receipt of written notice of a claim or action, to defend the claim or action, or take other appropriate measure, to indemnify, and hold harmless, the city, its agents and employees from and against all claims and actions for bodily injury, death or property damages caused by fault of the contractor, its officers, its agents, or its employees. Contractor is obligated to indemnify only to the extent of the fault of the contractor, its officers, its agents, or its employees, however the contractor shall have no obligation as set forth with respect to any claim or action from bodily injury, death or property damages arising out of the fault of the City, its officers, its agents, or its employees.

FEDERAL CLAUSES, IF APPLICABLE.

Anti-kickback clause. The contractor hereby agrees to adhere to the mandate dictated by the Copeland "anti-kickback" act Which provides that each contractor or subgrantee shall be prohibited from inducing, by any means, any person employed in the Completion of work, to give up any part of the compensation to which he is otherwise entitled.

Clean air act. The contractor hereby agrees to adhere to the provisions which require compliance with all applicable Standards, orders or requirements issued under section 306 of the clean air act which prohibits the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA list of violating facilities.

Energy policy and conservation act. The contractor hereby recognizes the mandatory standards and policies relating to energy Efficiency which is contained in the state energy conservation plan issued in compliance with the energy policy and Conservation act (P.L. 94-163).

Clean water act. The contractor hereby agrees to adhere to the provisions which require compliance with all applicable Standards, orders, or requirements issued under section 508 of the clean water act which prohibits the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA list of violating facilities.

Anti-lobbying and debarment act. The contractor will be expected to comply with federal statutes required in the anti-lobbying Act and the debarment act.

Additional Requirements

Vendors will be required to submit 1 original Affidavit

Termination for Cause: The City-Parish may terminate this Contract for default by giving the contractor written notice thereof, specifying with particularity each such default. After the first such notice of default, Contractor shall have ten (10) days after receipt of notice to cure or take reasonable steps to cure the default. If the contractor fails to cure or take reasonable steps to cure the default within such ten-day period, the City-Parish may declare this Contract, as appropriate, terminated. In the event of a second notice of default, whether for the same or a different infraction of contractual obligations, the contractor will be given five (5) days to cure the default. If a third notice of default should become necessary, the contract may be terminated upon notification of said default.

Termination for Convenience: The City-Parish may terminate this Agreement at any time by giving thirty (30) days written notice.

Termination for Non-Appropriation Clause: Should the Invitation to Bid result in a multi-year contract, a non-appropriation clause shall be made a part of the contract terms as required by state statutes, allowing the City-Parish to terminate the contract for lack of appropriated funds on the date of the beginning of the first fiscal year for which funds are not appropriated.

Payment Terms: Payment terms for services will be Net 30 days based on the monthly invoice. Agencies will be invoiced monthly in arrears by the contractor. Advanced payments shall not be made.

CITY OF BATON ROUGE,
PARISH OF EAST BATON ROUGE
PURCHASING DIVISION

PROPOSAL FORM FOR ANNUAL CONTRACT
A15-0620 – Glass Beads

ITEM NO.	Description	Annual Est. Qty.	Unit of Measure	Unit Price Per Sack	Extended Price
Glass Beads for Department of Public Works Traffic Engineering, per specifications No. 55004, 50 lb. sack.					
001	State Product Bid _____	900	Sacks	\$ _____	\$ _____
002	State Product Bid _____	320	Sacks	\$ _____	\$ _____
003	State Product Bid _____	160	Sacks	\$ _____	\$ _____
Clear Glass Beads for Airfield Traffic Paint, meeting FAA specifications TT-B-1325D, Type I, 50 lb. sack, Gradation A					
004	State Product Bid _____	900	Sacks	\$ _____	\$ _____
005	State Product Bid _____	320	Sacks	\$ _____	\$ _____

ITEM NO.	Description	Annual Est. Qty.	Unit of Measure	Unit Price Per Sack	Extended Price
006	State Product Bid _____	160	Sacks	\$ _____	\$ _____
Clear Glass Beads for Airfield Traffic Paint, meeting FAA specifications TT-B-1325D, Type III, 50 lb. sack					
007	State Product Bid _____	900	Sacks	\$ _____	\$ _____
008	State Product Bid _____	320	Sacks	\$ _____	\$ _____
009	State Product Bid _____	160	Sacks	\$ _____	\$ _____

CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE
PURCHASING DIVISION

General: The intent of this solicitation is to provide for the purchase and delivery of new Glass Beads as specified below. If bidding other than specified, bidder must enclose with their bid two (2) copies of detailed specifications on the product being bid including a complete list of any deviation from the specification listed. The evaluation of the services being offered and the determination of the lowest responsible and responsive bidder will be the sole responsibility of the Purchasing Division after consultation with the user agency.

SPECIFICATION (BID ITEM 1): Glass beads shall conform to the following:

1. The beads shall have an average index of refraction not less than 1.50 nor more than 1.55 when tested by the liquid immersion method at 25 degrees C.
 2. A minimum of 70% of the beads shall be true spheres without bubble inclusions, milkiness, surface scoring, pitting, ovate in shape, or fused spheroids in accordance with the test method described below. A 50 gram sample shall be obtained by riffing, and a monolayer of beads spread on the adhesive type cellophane tape. The percent perfect spheres shall be determined by actual count in the field of view using a 45 power microscope.
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1. The glass spheres shall conform to the 40-80 U.S. Standard sieve number gradation with a deviation of not more than 10% by weight on each sieve.
 2. Glass spheres shall show 95% floatation on Xylol when tested as described below. A single layer of spheres shall spread on a clean, inverted pint tin can lid. Xylol shall be slowly introduced with a syringe or dropper at the edge of the lid until it overflows. The percentage of spheres floating Xylol surface shall be determined visually.
 3. Upon request, one (1) pound sample of glass spheres must be submitted to the Traffic Engineering Division, 329 Chippewa Street, Baton Rouge Louisiana 70805, Attn: Ingolf Partenheimer, Chief Traffic Engineer.

SPECIFICATION (BID ITEM (2): Clear Glass beads for airfield traffic paint meeting FAA Specifications TT-B-13215D, Type I Graduation A.

SPECIFICATION (BID ITEM (3): Clear Glass beads for airfield traffic paint meeting FAA Specifications TT-B-13215D, Type III.

FEDERAL SPECIFICATION

BEADS (GLASS SPHERES) RETRO-REFLECTIVE

This specification is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

1. **SCOPE AND CLASSIFICATION** This specification covers two types of retro-reflective beads used to reflectorize traffic and airfield marking paints.

Type I -	Low Index of Refraction: Gradation A (Course, Drop-on) Gradation B (Fine; Premix)
Type II -	Delete
Type III -	High Index of Refraction

2. **APPLICABLE DOCUMENTS**

- 2.1 The following documents, of the issues in effect on date of invitation for bids or request for proposal form a part of this specification to the extent specified herein.

FEDERAL SPECIFICATIONS

CU-S-48 Sacks, Shipping, Paper

FEDERAL STANDARDS

FED-STD-141 – Paint, Varnish, Lacquer, and Related Materials; Methods of Inspection, Sampling and Testing.

FED-STD-313 – Preparation and Submission of Material
Safety Data Sheets (MSDS)

DISTRIBUTION STATEMENT A: Approved for public release
Distribution is unlimited.

MILITARY STANDARDS

MIL-STO-105 – Sampling Procedures and Tables for Inspection by Attributes.

(Copies of specifications and standards required by suppliers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified; the issue in effect on date of invitation for bids or request for proposal shall apply.

American Society for Testing and Materials (ASTM) Standards:

D 1155 – Standard Test Method for Roundness of Glass Spheres

D 1214 – Standard Test Method for Sieve Analysis of Glass Spheres

(Application for copies should be addressed to the American Society for Testing and Materials: 1916 Race Street, Philadelphia, PA 19103)

National Motor Freight Traffic Association, Inc. Agent

National Motor Freight Classification

(Application for copies should be addressed to the ATA, Inc. Traffic Department, 2200 Mill Rd. Alexandria, VA 22314)

National Railroad Freight Committee, Agent:

Uniform Freight Classification

(Application for copies should be addressed to G. F. Earl, Tariff Publishing Officer, Suite 1120, 222 South Riverside Plaza, Chicago, IL 60606-5945.)

3. REQUIREMENTS

3.1 Composition. The type I beads shall be manufactured entirely from reclaimed scrap glass (commercial cullet). No specific ingredients are required for the type III beads.

3.2 Physical properties

3.2.1 Appearance. When tested as specified in 4.3.1, the beads shall be transparent, clean, dry, free-flowing, and free from bubbles and foreign matter.

3.2.2 Roundness. When tested as specified in 4.3.2, the type I beads shall contain not less than 70 percent by weight of true spheres. The type III beads shall contain not less than 80 percent by weight of true spheres.

3.2.3 Index of refraction. When tested as specified in 4.3.3, the index of refraction shall be as follows: For the type I beads 1.50 to 1.55; for the type III beads 1.90 to 1.93.

3.2.4 Specific Gravity. When tested as specified in 4.3.4, the specific gravity shall be as follows: For the type I beads 2.30 to 2.50; for the type III beads 4.00 to 4.50¹.

3.2.5 Gradation. When tested as specified in 4.3.5, the beads shall pass each sieve series, as specified in table I.

TABLE I. Gradation, percent by weight, passing.

U.S. Sieve No.	Microns	Type I				Type III	
		A		B		Min	Max.
		Min	Max	Min	Max.	Min	Max.
16	1180	---	---	---	---	100	---
20	850	100	---	---	---	95	100
30	600	80	100	---	---	55	75
40	425	---	---	---	---	15	35
50	300	18	35	---	---	0	5
70	212	---	---	100	---	---	---
80	180	---	---	85	100	---	---
100	150	0	10	---	---	---	---
140	106	---	---	15	55	---	---
200	75	0	2	---	---	---	---
230	63	---	---	0	10	---	---

3.2.6 Resistance to acid. When tested as specified in 4.3.6, the beads shall not develop any surface haze or dulling.

3.2.7 Resistance to calcium chloride. When tested as specified in 4.3.7, the beads shall not develop any surface haze or dulling.

For field verification, the mass of Type I beads should be 1570 grams per liter and Type III should be 2670 grams per liter.

3.2.8 Resistance to sodium sulfide. When tested as specified in 4.3.8, the sodium sulfide solution shall not darken the beads.

3.2.9 Water resistance. When tested as specified in 4.3.9, the water shall not produce dulling or hazing of the beads, and not more than 4.5 ml of 0.1N hydrochloric acid shall be used for the titration.

3.3 Material Safety Data Sheet. A Material Safety Data Sheet (MSDS) shall be submitted in accordance with FED-STD-313 (see 6.2).

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein using facilities approved by the Government. The Government reserves the right to perform any of the inspections set forth herein when deemed necessary to assure that the beads conform to the prescribed requirements.

4.2 Testing of the end item.

4.2.1 Lot. A lot shall consist of all beads of one type offered for inspection at one time.

4.2.2 Inspection of preparation for delivery. An inspection shall be made to determine that the packing and marking comply with Section 5 of this specification. The sample unit shall be one filled shipped container. Sampling shall be in accordance with MIL-STD-105. The inspection level shall be S-2 with an AQL of 0 percent defective.

4.2.3 Sampling of the end item. A 500 to 600 g composited sample shall be obtained as follows:

- (a) Containers shall be selected in accordance with MIL-STD-105, inspection level S-2.
- (b) Using a 1:1 splitter, split the contents of each container until a 500 to 600 g sample is obtained.
- (c) Combine all of the samples from (b), and using a 1:1 splitter, split the composited sample into two equal portions.
- (d) Discard half of the sample, and split the remaining beads into two equal portions. Continue to discard half of the beads and split the remaining sample until a 500 to 600 g composited sample is obtained.

The composited sample shall be submitted to the laboratory for testing.

4.2.4 Certificate of compliance. When Type I beads are offered for inspection, the manufacturer shall certify that the beads conform to the requirement of 3.1.

4.3 Test procedures. The beads shall be tested in accordance with the methods specified in table II and as otherwise specified herein to determine compliance with the requirements of section 3. Unless otherwise specified all tests shall be conducted at conditions specified in Section 9 of FED-STD-141. All test reports shall contain the individual values utilized in expressing the final results. Failure to pass any test, or noncompliance with any requirement shall be cause for rejection of the sample.

TABLE II. Test and methods

Characteristics	Requirement paragraph	ASTM method	Test method paragraph
Appearance	3.2.1	-	4.3.1
Roundness	3.2.2	D 1155	4.3.2
Index of refraction	3.2.3	-	4.3.3
Specific gravity	3.2.4	-	4.3.4
Gradation	3.2.5	D 1214	4.3.5
Resistance to acid	3.2.6	-	4.3.6
Resistance to calcium chloride	3.2.7	-	4.3.7
Resistance to sodium sulfide	3.2.8	-	4.3.8
Water resistance	3.2.9	-	4.3.9

4.3.1 Appearance. Spread thinly 10 g of sample on white bond paper and examine visually for compliance with 3.2.1.

4.3.2 Roundness. The roundness of the beads shall be determined in accordance with ASTM method D 1155. Use Procedure A for Type III beads and Procedure B for Type I beads. Evaluate for compliance with the requirements in 3.2.2.

4.3.3 Index of refraction. The index of refraction shall be determined by the immersion method. A microscope capable of a minimum of 100 times magnification, equipped with a light source and certified immersion oils shall be used. Place crushed beads on a microscope slide and immerse in a refractive index immersion oil at standard conditions. (The immersion oils shall have a refractive index within 0.02 units of that of the beads to be tested.) Cover with a microscope slide and determine the refractive index of the beads to the nearest one-hundredth of a unit. Evaluate for compliance with the requirements of 3.2.3.

4.3.4 Specific gravity. Place 100 g of the beads in an oven at $105^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and dry to constant weight. Remove the beads and place in a dessicator until the sample is cool. Remove 60 g of beads from the dessicator and weigh the sample accurately. Pour the beads slowly into a 100 mL graduated cylinder containing 50 mL of reagent grade xylene. Make certain that air is not entrapped among the beads. Calculate the specific gravity as follows:

$$\text{Specific Gravity} = \frac{M}{V - 50}$$

M = Mass of sample

V = Total volume (xylene level after addition)

Evaluate for compliance with 3.2.4.

4.3.5 Gradation. Determine the gradation of the beads in accordance with ASTM method D 1214 for compliance with 3.2.5.

4.3.6 Resistance to acid. Place 10 g of the beads in a 100 mL beaker and cover with a 1N sulfuric acid. Let soak for 5 minutes. Rinse the beads 3 times with distilled water. Dry, then examine the beads under a microscope and compare with an untreated sample. Evaluate for compliance with 3.2.6.

4.3.7 Resistance to calcium chloride. Place 10 g of the beads in a 100 mL beaker and cover with a 1N calcium chloride solution. Let soak for 3 hours. Rinse 3 times with distilled water. Dry, then examine the beads under a microscope and compare with an untreated sample. Evaluate for compliance with 3.2.7.

4.3.8 Resistance to sodium sulfide. Place 10 g of the beads in a glass stoppered bottle and cover with a solution containing by weight 50% sodium sulfide, 48% distilled water, and 2% of an anionic wetting agent. Soak the beads for one hour and then rinse three times with distilled water. Dry, then examine the beads under a microscope and compare with an untreated sample. Evaluate for compliance with 3.2.8.

4.3.9 Water resistance. Place 10 g of the beads in a 25 x 80mm extraction thimble. Place the thimble in a large (No. 3) Soxhlet extractor with a 125 mL boiling flask. Add 100 mL of distilled water, and reflux for two hours. Remove the beads, dry, examine under a microscope for comparison to untreated beads. Add five drops of one percent phenolphthalein indicator to the content of the boiling flask and titrate with 0.1N hydrochloric acid to the phenolphthalein indicator end point. Evaluate for compliance with 3.2.9.

5. PREPARATION FOR DELIVERY

5.1 Packing, palletization, and marking. Beads shall be furnished in quantities specified. The packing, palletization and marking shall be as specified (see 6.2).

5.1.1 Packing. The glass beads shall be furnished in 23 kilogram (50 pound) or 25 kilogram (55 pound) quantities in a shipping sack meeting the requirements of Federal Specification UU-S-48F, Type VI, Style B, MB grade 4, Sack No. 13X. The sack shall be securely closed to prevent accidental opening or loss of the glass beads during multiple shipments, handling and storage. The shipping containers shall be in compliance with the National Motor Freight Classification or Uniform Freight Classification.

5.1.2 Marking. Marking shall be as specified in the contract or order.

6. NOTES

6.1 Uses for each type.

Type I, Gradation A, coarse – low-index glass beads for drop-on application are intended for marking highways and traffic lanes.

Type I, Gradation B, fine – low-index glass used for premixed paint are intended for marking highways and traffic lanes.

Type III – high-index glass beads for drop-on application are more uniform, rounder and provide better reflectance for marking airfield runways.

See appropriate pavement marking guide for recommended application rates.

TT-B-1325D

6.2 Ordering data. Purchasers should select the preferred options permitted herein, and include the following information in procurement documents:

- (a) Title, number, and date of this specification.
- (b) Type and gradation required (see 1.2).
- (c) Size and type of container required (see 5.1).
- (d) Palletization requirements
- (e) Marking requirements
- (f) Instructions and address for submission of MSDS (see 3.3)

Military custodian
Air Force – 99
Air Force – 84
Navy - YD

Preparing Activity
GSA – FSS

BIDDER'S ORGANIZATION BIDDER IS:

AN INDIVIDUAL

Individual's Name: _____

Doing business as: _____

Address: _____

Telephone No.: _____ Fax No.: _____

A PARTNERSHIP

Firm Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A LIMITED LIABILITY COMPANY

Company Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A CORPORATION

IF BID IS BY A CORPORATION, THE CORPORATE RESOLUTION MUST BE SUBMITTED WITH BID.

Corporation Name: _____

Address: _____

State of Incorporation: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

CORPORATE RESOLUTION

A meeting of the Board of Directors of _____, a corporation organized under the laws of the State of _____ and domiciled in _____

was held this _____ day of _____, 20____ and was attended by a quorum of the members of the Board of Directors.

The following resolution was offered, duly seconded and after discussion was unanimously adopted by said quorum:

BE IT RESOLVED, that _____ is hereby authorized to submit proposals and execute agreements on behalf of this corporation with the City of Baton Rouge, and Parish of East Baton Rouge.

BE IT FURTHER RESOLVED, that said authorization and appointment shall remain in full force and effect, unless revoked by resolution of this Board of Directors and that said revocation will not take effect until the Purchasing Director of the Parish of East Baton Rouge, shall have been furnished a copy of said resolution, duly certified.

I, _____, hereby certify that I am the Secretary of _____ a corporation created under the laws of the State of _____ domiciled in _____ that the foregoing is a true and exact copy of a resolution adopted by a quorum of the Board of Directors of said corporation at a meeting legally called and held on the _____ day of _____ 20____, as said resolution appears of record in the Official Minutes of the Board of Directors in my possession. This _____ day of _____, 20____.

SECRETARY

SAMPLE AGREEMENT

THIS AGREEMENT, made and entered into at Baton Rouge, Louisiana, effective the _____ day of _____, 20 ____, by and between the City of Baton Rouge and Parish of East Baton Rouge (herein after called "Owner") and _____ (herein after called "Contractor").

The Contractor shall perform all work required by the Contract Documents for the following services:

Annual Contract Number and Title

Contract Period

1. The following Contract Documents are all hereby made a part of this Agreement to the same extent as if incorporated herein in full:
 - A. The Contractor's Proposal with all attachments.
 - B. The Specifications
 - C. The following enumerated addenda:
2. No amendment to this Contract shall be made except upon the written consent of the parties.
3. Insurance and Indemnity requirements shall conform to those stated in the specifications.
4. Contractor shall be paid an amount based on the attached Exhibit A:
5. RIGHT TO AUDIT: The Contractor shall permit the authorized representative of the City-Parish to periodically inspect and audit all data and records of the Contractor relating to his performance under this contract.
6. Payment terms for services will be Net 30 days based on the monthly invoice. Agencies will be invoiced monthly in arrears by the contractor. Advanced payments shall not be made.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective as of the date first written above.

WITNESS:

CITY OF BATON ROUGE
AND PARISH OF EAST BATON ROUGE
Owner

By: _____
Melvin L. "Kip" Holden, Mayor-President

Contractor

WITNESS:

By: _____
(Typed Name and Title)

AFFIDAVIT

STATE OF LOUISIANA
PARISH OF EAST BATON ROUGE

BEFORE ME, the undersigned authority, personally came and appeared

who, being duly sworn did depose and say:

That he is a duly authorized representative of _____

receiving value for services rendered in connection with the

A15-0620 GLASS BEADS

a public project of the City of Baton Rouge, Parish of East Baton Rouge, Louisiana: that he has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by him whose services in connection with the construction, alteration, or demolition of the public building or project or in securing the public contract were in the regular course of their duties for him; and that no part of the contract price received by him was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by him whose services in connection with the construction of the public building or project were in the regular course of their duties for him.

This affidavit is executed in compliance with the provisions of LA R.S. 38:2224.

Affiant's Signature

SWORN TO AND SUBSCRIBED before me, on this ____ day of _____ 20 _____.
Baton Rouge, Louisiana.

NOTARY PUBLIC